Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 01 Jan 2024 until 23:59 on Tuesday 02 Jan 2024

Forecast Issued on Sunday 31 Dec 2023 at 16:50

Confidence: High for remaining unsettled through the coming days but lower for details of timing of the various more persistent bands of rain, sleet and snow.

Headline for Monday 01 Jan 2024: Early and late rain and sleet, but dry with sunny spells through middle of the day. Cold

Mountain weather hazards on Monday 01 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Sleet	Sunny intervals	Sunny intervals	Sunny intervals	Cloudy	Sleet
Precipitation probability							
60%	80%	80%	30%	10%	<05%	20%	80%

Forecast for Monday 01 Jan 2024

Weather: A few early clear spells in the east at first, but generally cloudy with outbreaks of rain and sleet, turning increasingly to snow above 600m, become more persistent and occasionally heavy through the early hours. The rain, sleet and snow clears away east through the morning with some decent spells of sunshine developing. However towards the end of the afternoon cloud will increase again with outbreaks of rain and sleet, with perhaps a little snow on higher summits at first, moving northeast through the evening, and becoming more persistent and heavy at times towards midnight.

Chance of cloud-free hill tops above 600m: Little chance at first rising close to 100% by midday. Chances fall again in the evening

Low Cloud and visibility: Periods or persistent cloud above about 450-600m, with patches below, until mid-morning and again from early evening, but little cloud expected below summits by midday and through the afternoon. Away from cloud visibility several kilometres in rain and sleet and a kilometre or less in summit snow, but very good from mid-morning until early evening, with some good views of surrounding hills and mountains.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Monday 01 Jan 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/23 W	22/31 W	24/33 W	22/32 W	19/27 W	11/17 SW	11/18 S	17/26 SE	19/29 E
300	11/23 W	16/32 W	16/33 W	13/28 W	11/23 W	4/12 SW	5/14 SE	10/23 SE	14/29 E
Valley	7/17 W	12/26 W	12/28 W	10/25 W	8/19 W	3/10 S	7/15 SE	12/25 E	15/31 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-3	2/-4	1/-6	2/-5	2/-4	2/-3	1/-4	2/-4	2/-4
300	4/1	4/-1	3/-2	4/-1	4/0	4/2	2/0	3/-1	3/-2
Valley	5/3	5/2	4/0	5/1	6/3	5/4	4/1	4/0	4/-0
Freezing Level*	1000m	900m	800m	800m	700m	700m	700m	900m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 45mph over ridges and summits through the early hours.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 31 Dec 2023	11.6mm	35mm	53.8mm

Forecast for Tuesday 02 Jan 2024

Weather: Occasionally heavy overnight rain once again clearing by mid-morning to leave the rest of daylight hours with sunny spells and a few showers. Cloud returns again through the evening with further outbreaks of rain returning towards midnight.

Maximum wind: Easterly or southeasterly 20mph, with gusts around 40mph over ridges and summits through the early hours, easing 15mph for the afternoon, before winds turning more southwesterly in the evening.

Chance of cloud-free hill tops above 600m: Little chance at first rising to 75% through the morning, chances fall again in evening.

Low Cloud and visibility: Periods or persistent cloud above about 450-600m, with patches below, becoming more occasional above 600-750m by mid-morning, cloud then returning through the evening. Away from cloud visibility several kilometres in rain, but very good through much of daylight hours.

Temperature: **Valleys:** Around plus 3 or 4 Celsius at first rising to plus 8 or 9 Celsius by day
At 600m: Around plus 2 Celsius rising to plus 4 Celsius
Freezing level: Above the summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.